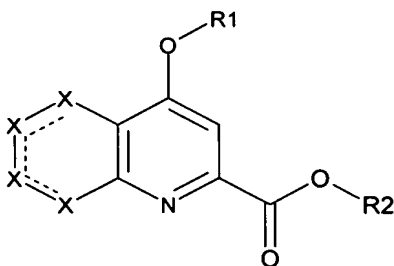


This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) Use of a derivative of the general formula (I) for the preparation of a medicament for the prevention of and/or treating hyperglycaemia-related pathologies:



(I)

in which:

X represents, independently of each other,

-a carbon atom, optionally substituted by a group chosen from: alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, alkylaryl, heteroaryl, -CN, halogen, -O-aryl, -O-heteroaryl, cycloalkyl, heterocyclyl, -CO<sub>2</sub>H, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', -OH, -O-alkyl, -O-alkylaryl, -C(=O)O-aryl, -NRR', -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2, or two adjacent carbon atoms may form an aromatic ring fused to the aryl nucleus, or  
-a nitrogen, oxygen or sulfur atom;

R<sub>1</sub> and R<sub>2</sub>, which may be identical or different, independently represent a group chosen from:

- Hydrogen,

- alkyl, alkenyl, alkynyl, each optionally and independently substituted by one or more of the following groups: -CN, halogen, aryl, biaryl, -O-aryl, -O-heteroaryl, -O-heterocycloalkyl, cycloalkyl, heterocycloalkyl, -CO<sub>2</sub>H, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', -OH, -O-alkyl, -O-alkylaryl, -C(=O)O-aryl, -NRR', -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2;

in which:

aryl is optionally and independently substituted by one or more groups chosen from: -CN,

halogen, aryl, alkyl, -O-alkyl, -alkyl-C(=O)O-alkyl, -alkyl-C(=O)OH, -O-alkylaryl, heterocycloalkyl, -NRR', -OH, -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2; -O-aryl, perhaloalkyl, -COOH, COOR;

heteroaryl is optionally and independently substituted by one or more groups chosen from halogen, -COOH, -COOR and heterocycloalkyl;

heterocycloalkyl is optionally and independently substituted by one or more alkyl or = O;

- cycloalkyl or heterocycloalkyl, each optionally and independently substituted by alkyl or alkoxy;

- aryl or heteroaryl, each optionally and independently substituted by one or more groups chosen from -CN, halogen, aryl, alkyl, -O-alkyl, -alkyl-C(=O)O-alkyl, -O-alkylaryl, heterocycloalkyl; -NRR', -OH, -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2; -O-aryl, perhaloalkyl, -COOH, COOR;

R and R' are chosen from H and alkyl;

--- represents a single bond or a double bond;

and also the tautomeric forms, enantiomers, diastereoisomers and epimers, and the pharmaceutically acceptable salts.

2. (Original) Use according to Claim 1, for which, in formula (I), each of the X represents a carbon atom, optionally substituted by a halogen atom.

3. (Currently Amended) Use according to Claim 1 or 2, in which the carbon in position 6 of the quinoline ring is substituted by a halogen atom.

4. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the halogen substituent of X is a fluorine atom.

5. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R1 and/or R2 independently represent(s) a hydrogen atom, alkyl, alkenyl, alkynyl, optionally substituted by -CN, halogen, -O-aryl, -O-heteroaryl, cycloalkyl, heterocycloalkyl, -COOH, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', biaryl or aryl, in which

aryl is optionally substituted by -CN, halogen, aryl, alkyl, -O-alkyl, -alkyl-C(=O)O-alkyl, -alkylCOOH, -O-alkylaryl or heterocycloalkyl.

6. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R1 represents alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, alkylaryl, aryl or heteroaryl, which are optionally substituted, as defined in ~~any one of the preceding claims~~ Claim 1.

7. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R1 represents alkyl or alkenyl, optionally substituted as defined in ~~any one of the preceding claims~~ Claim 1.

8. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R1 represents alkyl, optionally and independently substituted by one or more groups chosen from: -CN, aryl, heterocycloalkyl, biaryl, halogen, -C(=O)-aryl, -O-aryl, -C(=O)-alkyl, cycloalkyl, -C(=O)-alkyl, -COOH, -O-heteroaryl, -C(=O)NRR', -C(=O)-cycloalkyl, -O-heterocycloalkyl;

in which

aryl is optionally and independently substituted by one or more halogen, -CN, -O-alkylaryl, aryl, alkyl, -O-alkyl, heterocycloalkyl, -alkyl-C(=O)-OH or -alkyl-C(=O)O-alkyl;

heteroaryl is optionally substituted by heterocycloalkyl, halogen or -COOH.

heterocycloalkyl is optionally and independently substituted by one or more groups chosen from =O and alkyl.

9. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R1 represents alkyl or alkenyl, in which the carbon  $\alpha$  to the oxygen atom is substituted by -COOH, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl or -C(=O)NRR',

in which alkyl and aryl are optionally substituted as in ~~any one of the preceding claims~~ Claim 1, and RR' are defined as in ~~any one of the preceding claims~~ Claim 1.

10. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R1 represents alkyl or alkenyl, each optionally substituted by one or more substituents

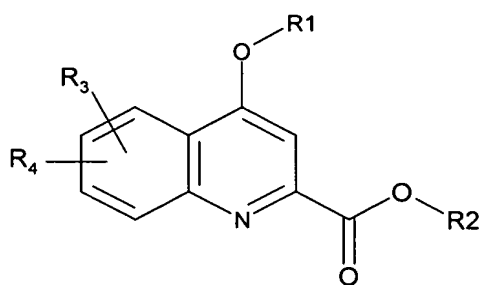
chosen from halogen, -O-heteroaryl or -C(=O)-aryl, in which aryl is optionally substituted by one or more -O-alkyl and heteroaryl is optionally substituted by one or more -COOH or halogen.

11. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R2 represents a hydrogen atom or an alkyl group.

12. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R2 represents a methyl radical.

13. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which R and R' represent a hydrogen atom or a methyl or ethyl radical.

14. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the compounds of the formula (I) are represented by the general formula (II) below:



(II)

in which R1 and R2 are as defined in ~~any one of the preceding claims~~ Claim 1;

R3 and R4, which may be identical or different, independently represent groups chosen from alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, alkylaryl, heteroaryl, -CN, halogen, -O-aryl, -O-heteroaryl, cycloalkyl, heterocyclyl, -CO<sub>2</sub>H, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', -OH, -O-alkyl, -O-alkylaryl, -C(=O)O-aryl, -NRR' and -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2; or

R3 and R4 may together also form a heterocycle adjacent to the phenyl ring

and also the tautomeric forms, enantiomers, diastereoisomers and epimers, and the pharmaceutically acceptable salts.

15. (Original) Use according to Claim 14, for which R3 and R4 represent H, -O-alkyl and/or a halogen atom or R3 and R4 together form a heterocycle adjacent to the phenyl ring.

16. (Currently Amended) Use according to Claim 14 ~~or 15~~, for which R3 and R4 represent the ring -O-(CH<sub>2</sub>)<sub>n</sub>-O-, n being an integer ranging from 1 to 4.

17. (Currently Amended) Use according to ~~any one of Claims 15 to 17~~ Claim 15, for which R3 and R4 represent, respectively, a fluorine atom in position 6 and a hydrogen atom.

18. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the compounds of the general formula (I) are chosen from:

methyl 4-(1,3-benzothiazol-2-ylmethoxy)-6-fluoroquinoline-2-carboxylate

methyl 4-[(4-bromo-2-fluorobenzyl)oxy]-6-fluoroquinoline-2-carboxylate

methyl 4-ethoxy-6-fluoroquinoline-2-carboxylate

methyl 4-[(4-bromo-2-fluorobenzyl)oxy]-6-methoxyquinoline-2-carboxylate

methyl 6-fluoro-4-[(3-methylbut-2-en-1-yl)oxy]quinoline-2-carboxylate

methyl 4-[(2'-cyanobiphenyl-4-yl)methoxy]-6-fluoroquinoline-2-carboxylate

methyl 4-(cyanomethoxy)-6-fluoroquinoline-2-carboxylate

methyl 4-(2-chloroethoxy)-6-fluoroquinoline-2-carboxylate

methyl 4-(2-amino-2-oxoethoxy)-6-fluoroquinoline-2-carboxylate

methyl 4-(allyloxy)-6-fluoroquinoline-2-carboxylate

methyl 6-fluoro-4-(pentyloxy)quinoline-2-carboxylate

methyl 4-[2-(4-chlorophenyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylate

methyl 6-fluoro-4-(2-oxo-2-phenylethoxy)quinoline-2-carboxylate

methyl 6-fluoro-4-[2-(4-fluorophenoxy)ethoxy]quinoline-2-carboxylate

methyl 6-fluoro-4-(2-phenylethoxy)quinoline-2-carboxylate

methyl 6-fluoro-4-(2-phenoxyethoxy)quinoline-2-carboxylate

methyl 6-fluoro-4-(3-phenylpropoxy)quinoline-2-carboxylate

methyl 4-(2-biphenyl-4-yl-2-oxoethoxy)-6-fluoroquinoline-2-carboxylate

methyl 6-fluoro-4-[2-(4-methylphenyl)-2-oxoethoxy]quinoline-2-carboxylate

methyl 6-fluoro-4-[2-(4-methoxyphenyl)-2-oxoethoxy]quinoline-2-carboxylate  
 methyl 4-[2-(1-adamantyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-[2-(4-fluorophenyl)-2-oxoethoxy]quinoline-2-carboxylate  
 methyl 4-[2-(3,4-dichlorophenyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-[2-(3-methoxyphenyl)-2-oxoethoxy]quinoline-2-carboxylate  
 methyl 4-[4-(4-chlorophenoxy)butoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-[2-(3-fluorophenoxy)ethoxy]quinoline-2-carboxylate  
 methyl 4-[2-(4-bromophenoxy)ethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-{[5-(4-fluorophenoxy)pentyl]oxy}quinoline-2-carboxylate  
 methyl 4-[2-(4-cyanophenoxy)ethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-{2-[(4-morpholin-4-yl-1,2,5-thiadiazol-3-yl)oxy]ethoxy}quinoline-2-carboxylate  
 methyl 6-fluoro-4-{2-[4-(3-methoxy-3-oxopropyl)phenoxy]ethoxy}quinoline-2-carboxylate  
 methyl 6-fluoro-4-[2-(1-naphthyloxy)ethoxy]quinoline-2-carboxylate  
 methyl 6-fluoro-4-[2-(2-methoxyphenoxy)ethoxy]quinoline-2-carboxylate  
 methyl 4-{2-[2-(benzyloxy)phenyl]-2-oxoethoxy}-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-[2-(2-naphthyloxy)ethoxy]quinoline-2-carboxylate  
 methyl 4-[2-(1,3-dioxo-1,3-dihydro-2*H*-isoindol-2-yl)ethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 4-[1-(ethoxycarbonyl)-3-phenylpropoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 4-[2-(2,3-dimethylphenoxy)ethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-{2-[4-(2-methyl-1,3-dioxolan-2-yl)phenyl]ethoxy}quinoline-2-carboxylate  
 methyl 4-{2-[4-(benzyloxy)phenyl]-2-oxoethoxy}-6-fluoroquinoline-2-carboxylate  
 methyl 4-[2-(3,4-dimethoxyphenyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 4-(3-chloropropoxy)-6-fluoroquinoline-2-carboxylate  
 methyl 4-(3-chloro-2-methylpropoxy)-6-fluoroquinoline-2-carboxylate  
 methyl 4-(1-ethylpropoxy)-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-[(1-methylhexyl)oxy]quinoline-2-carboxylate  
 methyl 4-[2-(2,4-dimethoxyphenyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylate  
 methyl 4-(3,3-dimethyl-2-oxobutoxy)-6-fluoroquinoline-2-carboxylate  
 methyl 6-fluoro-4-(3-phenoxypropoxy)quinoline-2-carboxylate

methyl 4-[(4-bromo-2-fluorobenzyl)oxy]-6-fluoroquinoline-2-carboxylic acid  
 methyl 4-(1,3-benzothiazol-2-ylmethoxy)-6-fluoroquinoline-2-carboxylic acid  
 4-ethoxy-6-fluoroquinoline-2-carboxylic acid  
 4,4'-[(2*E*)-but-2-ene-1,4-diylbis(oxy)]bis(6-fluoroquinoline-2-carboxylic acid)  
 6-fluoro-4-[(3-methylbut-2-en-1-yl)oxy]quinoline-2-carboxylic acid  
 4-[(2'-cyanobiphenyl-4-yl)methoxy]-6-fluoroquinoline-2-carboxylic acid  
 sodium 4-[(4-bromo-2-fluorobenzyl)oxy]-6-methoxyquinoline-2-carboxylate  
 4-(cyanomethoxy)-6-fluoroquinoline-2-carboxylic acid  
 4-(2-chloroethoxy)-6-fluoroquinoline-2-carboxylic acid  
 4-(2-amino-2-oxoethoxy)-6-fluoroquinoline-2-carboxylic acid  
 4-(allyloxy)-6-fluoroquinoline-2-carboxylic acid  
 4-(3-chloropropoxy)-6-fluoroquinoline-2-carboxylic acid  
 4-(3-chloro-2-methylpropoxy)-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-(pentyloxy)quinoline-2-carboxylic acid  
 4-(cyclohexylmethoxy)-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-[2-(4-fluorophenoxy)ethoxy]quinoline-2-carboxylic acid  
 6-fluoro-4-(2-phenylethoxy)quinoline-2-carboxylic acid  
 6-fluoro-4-(3-phenylpropoxy)quinoline-2-carboxylic acid  
 4-[2-(1-adamantyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-[2-(4-fluorophenyl)-2-oxoethoxy]quinoline-2-carboxylic acid  
 6-fluoro-4-[2-(3-methoxyphenyl)-2-oxoethoxy]quinoline-2-carboxylic acid  
 4-[4-(4-chlorophenoxy)butoxy]-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-[2-(3-fluorophenoxy)ethoxy]quinoline-2-carboxylic acid  
 4-[2-(4-bromophenoxy)ethoxy]-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-{[5-(4-fluorophenoxy)pentyl]oxy}quinoline-2-carboxylic acid  
 4-[2-(4-cyanophenoxy)ethoxy]-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-{2-[(4-morpholin-4-yl-1,2,5-thiadiazol-3-yl)oxy]ethoxy}quinoline-2-carboxylic acid  
 4-{2-[4-(2-carboxyethyl)phenoxy]ethoxy}-6-fluoroquinoline-2-carboxylic acid  
 6-fluoro-4-[2-(2-methoxyphenoxy)ethoxy]quinoline-2-carboxylic acid  
 4-(1-carboxy-3-phenylpropoxy)-6-fluoroquinoline-2-carboxylic acid

4-[2-(2,3-dimethylphenoxy)ethoxy]-6-fluoroquinoline-2-carboxylic acid  
4-[2-(3,4-dimethoxyphenyl)-2-oxoethoxy]-6-fluoroquinoline-2-carboxylic acid

and also the tautomeric forms, enantiomers, diastereoisomers and epimers, and the pharmaceutically acceptable salts.

19. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the compounds of the general formula (I) are chosen from:

- 4-(4-bromo-2-fluorobenzyloxy)-6-fluoroquinoline-2-carboxylic acid
- 4-(benzothiazol-2-ylmethoxy)-6-fluoroquinoline-2-carboxylic acid
- 4-ethoxy-6-fluoroquinoline-2-carboxylic acid
- 4-(4-bromo-2-fluorobenzyloxy)-6-methoxyquinoline-2-carboxylic acid (sodium salt)
- 4-((E)-4-[(2-carboxy-6-fluoro-4-quinolinyl)oxy]-2-butenyl)oxy)-6-fluoroquinoline-2-carboxylic acid
- 6-fluoro-4-(3-methylbut-2-enyloxy)quinoline-2-carboxylic acid
- 4-(2'-cyanobiphenyl-4-ylmethoxy)-6-fluoroquinoline-2-carboxylic acid
- 4-[2-(3,4-dimethoxyphenyl)-2-oxo-ethoxy]-6-fluoroquinoline-2-carboxylic acid
- methyl 4-(3-chloropropoxy)-6-fluoroquinoline-2-carboxylate
- methyl 4-(3-chloro-2-methylpropoxy)-6-fluoroquinoline-2-carboxylate

and also the tautomeric forms, enantiomers, diastereoisomers and epimers, and the pharmaceutically acceptable salts.

20. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the said pharmaceutical composition is suitable for the treatment of diabetes.

21. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the said pharmaceutical composition is suitable for the treatment of type II diabetes.

22. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the pharmaceutical composition is suitable for the treatment of diseases chosen from dyslipidaemia and obesity.



23. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the pharmaceutical composition is suitable for the treatment of diseases chosen from diabetes-related microvascular and macrovascular complications.

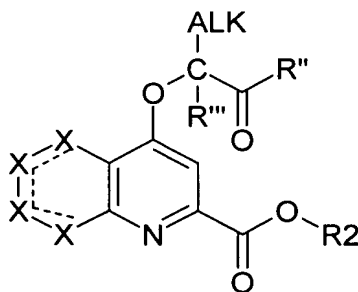
24. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the said complications include arterial hypertension, atherosclerosis, inflammatory processes, microangiopathy, macroangiopathy, retinopathy and neuropathy.

25. (Currently Amended) Use according to ~~any one of the preceding claims~~ Claim 1, for which the pharmaceutical composition is suitable for reducing hyperglycaemia.

26. (Currently Amended) Compounds of the general formula (I) as defined in ~~any one of the preceding claims~~ Claim 1, for which


R1 represents alkyl in which the carbon  $\alpha$  to the oxygen atom is substituted by -COOH, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl or -C(=O)NRR', in which alkyl and/or aryl are optionally substituted as defined in ~~any one of the preceding claims~~ Claim 1, and also the tautomeric forms, enantiomers, diastereoisomers and epimers, and the pharmaceutically acceptable salts.

27. (Original) Compounds according to Claim 26 represented by the general formula (III):



(III)

in which

X, R2, R, R' and  are as defined in ~~any one of the preceding claims~~ Claim 26,

ALK represents an alkyl or alkenyl radical optionally substituted by one or more of the following groups: -CN, halogen, aryl, biaryl, -O-aryl, -O-heteroaryl, -O-heterocycloalkyl, cycloalkyl, heterocycloalkyl, -CO<sub>2</sub>H, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', -OH, -O-alkyl, -O-alkylaryl, -C(=O)O-aryl, -NRR', -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2;

R'' is chosen from -OH, alkyl, aryl, cycloalkyl, -O-alkyl and -NRR', in which:

alkyl is optionally substituted by one or more of the following groups: -CN, halogen, aryl, biaryl, -O-aryl, -O-heteroaryl, -O-heterocycloalkyl, cycloalkyl, heterocycloalkyl, -CO<sub>2</sub>H, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', -OH, -O-alkyl, -O-alkylaryl, -C(=O)O-aryl, -NRR', -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2;

aryl is optionally substituted by one or more groups chosen from: -CN, halogen, aryl, alkyl, -O-alkyl, -alkyl-C(=O)O-alkyl, -alkyl-C(=O)OH, -O-alkylaryl, heterocycloalkyl, -NRR', -OH, -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2; -O-aryl, perhaloalkyl, -COOH, COOR;

heteroaryl is optionally and independently substituted by one or more groups chosen from halogen, -COOH and heterocycloalkyl;

heterocycloalkyl is optionally and independently substituted by one or more alkyl or = O;

R''' is H, alkyl or alkenyl optionally substituted by one or more of the following groups: -CN, halogen, aryl, biaryl, -O-aryl, -O-heteroaryl, -O-heterocycloalkyl, cycloalkyl, heterocycloalkyl, -CO<sub>2</sub>H, -C(=O)-alkyl, -C(=O)-aryl, -C(=O)-cycloalkyl, -C(=O)O-alkyl, -C(=O)NRR', -OH, -O-alkyl, -O-alkylaryl, -C(=O)O-aryl, -NRR', -S(O)<sub>p</sub>R, in which p represents 0, 1 or 2;

and also the tautomeric forms, enantiomers, diastereoisomers and epimers, and the pharmaceutically acceptable salts.

28. (Currently Amended) Compounds according to Claim 26 ~~or 27~~, for which

R'' represents -OH, alkyl, aryl, cycloalkyl, -O-alkyl or -NRR', in which  
aryl is optionally substituted by -O-alkylaryl, -O-alkyl, alkyl, aryl or halogen;  
ALK represents alkyl optionally substituted by aryl;  
R''' represents H;



32. (Currently Amended) Pharmaceutical compositions comprising, as active ingredient, at least one derivative of the general formula I or III as defined in ~~any one of Claims 26 to 29~~ Claim 26.